(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 24 December 2003 (24.12.2003)

PCT

(10) International Publication Number WO 03/106058 A2

(51) International Patent Classification7: 9/093, 3/00

B08B 5/04,

(21) International Application Number: PCT/GB03/02609

(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

GB 18 June 2002 (18.06.2002) 0213949.1 18 June 2002 (18.06.2002) GB 0213948.3 GB 0214940.9 28 June 2002 (28.06.2002)

- (71) Applicant (for all designated States except MG, US): AWAZEL WATERPROOFING COMPANY [SA/SA]; P.O. Box 2955, Riyadh 11461 (SA).
- (71) Applicant (for MG only): MONBIOT, Anthony, Richard [GB/GB]; Heath Road, Prees Heath, Whitchurch, Shropshire GY13 2AE (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AL-SUGAIR, Mansour, Ali [SA/SA]; P.O. Box 2955, Riyadh 11461 (SA).

SEAFAN, Khaled [SA/SA]; P.O. Box 2955, Riyadh 11461

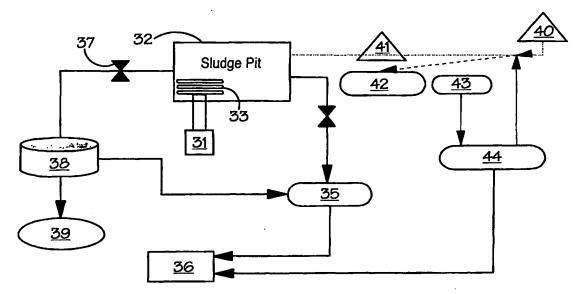
- (74) Agent: W.P. THOMPSON & CO; Coopers Building, Church Street, Liverpool L1 3AB (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: EXTRACTION METHODS AND APPARATUS



(57) Abstract: The present invention relates to hydrocarbon extraction method and apparatus therefor.

WO 03/106058 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.